

Abstract of the Disclosure

A Flash memory device, system, and data handling routine is detailed with a distributed erase block sector user/overhead data scheme that splits the user data and overhead data and stores them in differing associated erase blocks. The erase blocks of the Flash memory are arranged into associated erase block pairs in “super blocks” such that when user data is written to/read from the user data area of a sector of an erase block of the super block pair, the overhead data is written to/read from the overhead data area of a sector of the other associated erase block. This data splitting enhances fault tolerance and reliability of the Flash memory device.